TRUCK OPERATION SAVES \$150 WEEKLY OVER RATES OF RAILROAD

FLEET OF MOTORS **BETWEEN CHICAGO** AND MILWAUKEE

Three - and - a - Half - Ton Car Establishes Enviable Record.

EXPENSE CUT DOWN

Federal Co. Demonstrates Its Service Under Adverse Conditions.

In the face of adverse weath conditions, a three and a half ton truck, equipped with Federal pneu-matic tires, has established an en-viable record from both an operatan expense standpo

fleet in operation between Milwau-kee and Chicago. Some of the trucks are equipped with solid tires and some with pneumatics.

The newest member is the hea iest truck ever employed in this Federal Rubber Company service vancements pointed by actual serv-

Five Round Trips a Week. The three-and-a-half-ton truck as been in active service since It has made five round trips a week, or one round trip each except Saturday and Sunday, It which days are reserved for a gen-eral greasing and overhauling of the

The trip sheet shows that the The trip sheet shows that the truck was operated during two days of snow, five days of rain and seven days on which the weather was fair. Most of the road over which the truck is operated is concrete and macadam, but there are two sections one through Zion City, about a mile in length, and one between Racine and Kenosha. Wis., which is of about the same length, which are very very bad. very, very bad.

Less Than 8 Miles to Gallon.

The record sheet shows 14 round trips and a total mileage of 2806. The truck consumed 352 gallons of of oil or a mileage of 187.6 per glected to prepa comfortable bed.

The gross weight of freight carried was 122,300 and the running

Shows Large Saving. In compiling the weekly truck op-

erating cost of \$405.47 Federal Rubasmuch as this latter service is un-

This, alone, would have effected a saving of \$100 in favor of the operation with pneumatic

OHIO MAY INVEST

Davis Signs Bill Permitting of the active material, inducing sul- out. Banks and Corporations to Purchase Capital Stock.

NEW YORK. May 14. — GovDavis, of Ohio, according to word
juts received by the committee on
organization of the Foreign Trade
frinancing Corporation, has signed
the bill permitting State banks,
trust companies and other important corporations in that commonwealth to invest in the capial stock
of corporations organized under the
Edge act. This makes a total of
twelve States which within the past
few weeks have taken such enab
Reeping Cotter Pins.

A very convenient method of few weeks have taken such enabling action. The Florida senate has just passed an enabling act of this hature. A similar bill has passed both houses of the New York legistature without opposition and awaits only the governor's signature. Legislation of this character is being favorably considered in other States, of which there are seventeen, where legal technicalities made such legislation necessary.

Special importance is attach.

the action in Ohio in view of the sessions at Cleveland next week of the National Foreign Trade Conven-American goods and to American exporters. The corporation's organ-

raising the battery out of the car may be made by having what are known as harness snaps riveted on the ends of a leather strap perhaps and then be brushed with a stiff brush to get off all dirt and grit. After cleaning the chain should be dried and then washed in hot water to which a little washing soda has been added. Next the chain should be submerged in a bath of moderately heavy labeled and the transport of the chain should be submerged in a bath of moderately heavy labeled and the transport of the chain should be dried and then washed in hot water to which a little washing soda has been added. Next the chain should be transported in the battery out of the car may be made by having what are known as harness snaps riveted on equals 3 per cent of the tire, the wheel will be gathered about one than the battery. When this is snapped into place it makes a convent who remient handle for juggling the battery around.

Conserving Chains.

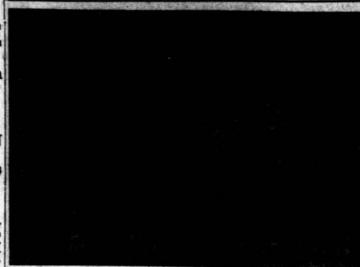
It is a very good plan to shift the cross links of the tire chains from the manda have the convent of the car may be made by having what are known as harness snaps riveted on equals 3 per cent of the tire. Thus, with 34-inch tire, the wheel will be gathered about one venient handle for juggling the battery around.

Conserving Chains.

It is a very good plan to shift the cross links of the tire chains from the manda have the convention.

Two Tire Mistakes.

CAMPER CARRIES OWN HOTEL REPORTS INCREASE



This truck, the property of the Federal Rubber Company, of Cuda-hy. Wis., is the latest member of a hy. Wis., which we have a hy. Wis., is DEALING WITH RECREATION OF CAMPING OUT WITH CAR

which was inaugurated that the company might determine from its own experience not only the true worth of Federal tires but the adverted of Federal tires but the adverted for the following of Children of Childr Author of Guide to Motorists.

> upon the extremely popular recreation of camping out with a motor reedom. If, on the other hand, he car has just made its appearance. It is called The Motor Camping Book (G. P. Putnam's Sons). The author is Elon Jessup, associate editor of Outing. All golfers who have read Mr. Jessup's Intimate Golf Talks are probably now better golfers and it is safe to say that golfers and it is safe to say that ent upon the amount and nature of more comfortable campers.

Mr. Jessup knows what the actual camping equipment." or prospective motor camper wants to know. This touring camper is up against realities, sometimes uncomfortable realities. He needs ad-vice, some plain definite unadorned information. Flowery glittering generalities about the beautiful sunmay be all right enough in ir place but they don't prevent gas a week or at the rate of 7,966 the camper from spending a sleep-miles per gallon. It used 151.2 gal-less night just because he has neprepare himself with a

Deals with Realities.

The Motor Camping Book deals with realities. It contains exactly with realities. It contains exactly maps.

Figuring truck depreciation at the rate of 31.3 cents per mile. The contains exactly maps.

The first fourteen chapters in the kind of information the motor camper wants to know. It starts him right. The information is the liquiding several hours spent in assisting a 5-ton solid tired truck through the sand and towing them in afer burning out a bearing, the total weekly cost amounted to \$105.47, or at the rate of .1442 per mile. The cost of shipping by freight would have been \$457.80.

The Motor Camping Book deals with realities. It contains exactly maps.

The first fourteen chapters in the book are mainly devoted to equipment while the last three deal with highways. National parks, picking experience. The introductory parable with realities. The first fourteen chapters in the book are mainly devoted to equipment while the last three deal with highways. National parks, picking experience. The introductory parable way experience. The purpose of this book is to give a practical working knowledge to a valuable summary State by State of the motoring laws in the start of the motoring laws and cannot be a full of the kind of information the motor that the kind of information the motor that the kind of information the motor is the kind of information the motor that the kind of information is the book are mainly devoted to equipment while the last three deal with highways. National parks, picking carms of costly experience. The introductory parable way experience. The purpose of this book is to give a practical working knowledge to of the motoring laws and similar matters. The first fourteen chapters in the book are mainly devoted to equipment while the last three deal with highways. National parks, picking carms of costly experience. The introductory parable way are partied to control the camper usually learns only through years of costly experience. The introductory parable way are partied to control the park p

The first book to be published | motorist who carries an adequate camping outfit achieves the greatest degree of travel pleasure preparation before starting. That is why the book, in great part, is devoted to the subject of motor

Equipment Is Described.

Mr. Jessup fully lives up to his promise in devoting detailed de-scription to all types of equipment used in motor camping. Luggage carriers and how to pack equipment, water containers, cooking kits, stoves and fires, food boxes, begs. camp furnishings-these are some of the subjects taken up chap-ter by chapter. The book is astonishingly comprehensive, both in description and illustrations. There are more than a hundred photo The Motor Camping Book deals graphs and drawings and three

PRACTICAL PARAGRAPHS

with Federal pneumatics, were the only ones that successfully negoiated the trip, the solid-tired jobs requiring from 32 to 40 hours for with fireproof paint, blued or sequence on the metal walls of the nas now reach dust and they will be found to be their detriment. When rain water is expected is available always use it.

In preparing electrolyte for stor-age batteries nothing but chemical-tool box. An excellent method of IN EDGE CONCERNS by pure sulphuric acid and distinct water should be used. Commercial grades of acid and ordinary drinkgrades of acid and ordinary drink-ing water contain enough metallic impurities to cause disintegration waste, to prevent the plugs working phating and ruining the battery in short order.

To Straighten Front Axle.

A method of straightening a front axle that has been bent in a vertical

the National Foreign Trade Convention, at which particular attention will be paid to the Foreign Trade Financing Corporation, the largest of the companies to be organized under the Edge act to extend long-term credits to foreign buyers of the camed with a stiff wire brush. The American goods and to American goods and the foreign trade goods and the foreign goods and to American goods and the foreign goods and the f enamel-may take as long as a week

dip in it the parts from which it is desired to remove rust. Next dip them in a bath of hot lime water. This is because it is free from minlarge fleet of trucks to haul between Milwaukee and Chicago. The
3\(\frac{1}{2}\)-ton and a 2-ton truck equipped
with Federal pneumatics, were the
with Federal pneumatics, we

Protecting Spark Plugs.

Spark plug spares are frequently injured while being carried in the ly pure sulphuric acid and distilled guarding against this is to slip each box is a small packet of wire nails plug into a section of rubber hose, of different sizes.

Pipeclay for Mats.

mats used in automobiles. Oil and remain on them. The mats should be wiped quite dry and then be pipeclayed. The pipeclay dries and sucks the oil out of the rubber.

Testing Vent Pipes.

In filling the radiator of the car allow enough water to pass in to bring the level over the end of the vent pipe. If this pipe is clear, as it always should be, the fact will be indicated by the overflowing of the water through it. If it is not clear, the water will overflow pedes circulation, without the declear, the water will overflow

Enameling to Prevent Rust.

In order to do away with rusting to see that all exposed oil holes are of parts beneath the hood, black enamelling may be resorted to with good effect. It is possible to get black enamel today, which, when black enamel today, which, when properly applied looks little inferior in run.

The car owner who intends to do in it a good plan is to reenforce in the by a brass coil spring, which is a good fit inside. This prevents any fattening at the bend and cracking result in failure of oil to reach the bearings when the car is again be-

ization committee states that good progress is being made in the formation of the corporation, which, with a capital of \$100,000,000 and surplus of \$5,000,000,000 and surplus of \$5,000,000 and surplus of \$5,000,000 and surplus of \$5,000,000 and surplus of \$5,000,000 and surpl tire along the road surface at each revolution. Whenever excessive tire wear develops, the wheels should An admirable lifter for use in between opposite points. These distances the battery out of the care

dried and then washed in hot water to which a little washing soda has been added. Next the chain should be submerged in a bath of moderately heavy lubricating oil and allowed to remain until the lubricant has reached every cranny of the bearing surface. It is a good idea to have this oil warmed through before immerging the chain in it, as this thins it a little and permits of the cross chains are attached, as this thins it a little and permits of the man to time apreads the casing on wet roads or even when the transmission cover and the mistage eften made by car owners is to continue using rims that have been badly dented or even slightly bent. This causes rim cuttime to time to time. That is, move them the towners is to continue using rims that have been badly dented or even with shellac.

Clutch trouble is one of the commonest complaints among car owners is to continue using rims that have been badly dented or even with shellac.

Clutch trouble to even. The clutch throwout collar needs daily lubrication, and in many the casing support the trouble is one of the casing support that have been badly dented or even with shellac.

Clutch tr

IN PRODUCTION OF NASH MOTOR CARS

C. B. Voorhis Says May Shows Big Gain Over April.

Business with the Nash Motors Company is good, which may be

"In stating that business with our company is good," said Charles B. Voorhis, vice president and general manager of the Nash Motors Company, "I would not wish to be understood as meaning that the country as a whole at this time even approaches normal. But there is improvement generally throughout the country, much more prelounced in some sections than in others.

Gains in Product "Our Kenosha factory this month

operating 79 per cent normal and our new plant in Milwaukee is gaining in production daily. Orders for May show a healthy increase over April. In this connection, look-ing back over the period through which the country has just passed, it may be of interest to know that in no month was production of the Nash Six and the Nash Four totally suspended.

"In fact production records of the teresting story. The general slump showed its effect on the automobile industry the latter part of October. Nash production for that month was 2.456 cars. In November production to 1.295 cars and the low a total of 714 cars-sixes and fours

Turn Came in January. "In January the tide began to

turn, very slightly, it is true, but in that month there were produced 1,018 Nash cars. February showed another slight increase, the total for the month being 1,165 cars. In March the Nash market showed decided improvement, the production figures for that month jumping to 2,081. The production schedule for April calls for 3,211 automobiles. The increase each

shown by the production records a healthy one for the reason that Nash monthly production schedules always are handled on the basis of actual orders in hand and inci-dentally orders shown in the monthly figures cited came voluntarily from distributers and deal-ers, there being no effort whatever on the part of the factory during that period to force sales.

Better Sales Reported. "Actual sales and delivery figure

from our dealers show that hem sold at retail more Nash care in January, February and March, this year, than they sold in the cor-responding months of last year. With the exception of a few spotted sections practically all Nash dealers report better sales each month and ach week.

Rust Remover.

Make a solution of one part sulphuric acid to ten parts water and dip in it the parts from which it is desired to remove rust. Next dip can be used in the can be used in pany has not yet been able to pro duce in its new Milwaukee plan ume production is possible and it is expected that within the next few months shipments will be made on a basis that will approximate the

> For the Tool Box. A convenient addition to the too

> > Loose Spokes.

Wooden wheels with loose spok Pipeclay acts as a preservative of rubber and makes one of the best mediums for treating the rubber be more distinct when the car is being driven around a corner. Some times this looseness may be obvi grease are rubber solvents and ruin times this looseness may be obvi-the floor mats if they are allowed ated by replacing one or more spokes, or it may be cured by ing small wooden wedges between the spokes and the hub. A wheelwright can do the job in a few

Rubber Hose.

This is the time of year to renew ect being apparent from the out-No kinks should be allowed in such connections and the clamp fasteners should be properly se-cured Where rubber hose has bends in it a good plan is to reenforce good fit inside. This prevents any flattening at the bend and cracking.

Lubricating Shackle Bolts. Shackle bolts or spring bolts may snackie boits or apring boits may
be made self-lubricating by drilling
six or eight 3-18th inch holes in a
new bushing and packing them
with graphits. The holes must be
repacked about once in six months.
Cotter Pin Puller.

A very convenient cotter pin pull-

had trouble because of stoppage in the oil pipe which runs from the transmission case of the Ford to the engine inserted a small mica window about two inches in diame-ter. The window is secured by a steel ring one thirty-second of an inch in thickness, and this ring is held by round head screws. A felt gasket is placed between the mica and the transmission cover and the and the transmission cover and the npper side of the mica is varnished with shellac.

Armistice Car Goes to Museum



It's just an ordinary French dining car, but it has become famous enough to be placed in the Invalides Museum at Paris. It was here that the allies and Germans signed the armistice, November 11, 1918, which ended the war.

IMPROVES AGENCY

cut Avenue Is Superb

In Design.

the effective background for the

paid for the time and thought we

have put on it to make it a worthy background for cars of the charac-

monument has been unveiled

ter and prestige of the Haynes.

FIRESTONE SELLS HAYNES COMPANY WORKERS SHARES

Over 10,000 Employes Buy New Salesroom on Connecti-Stock Interest in Tire Concern.

AKRON, Ohio, May 14, - The AKRON, Ohio, May 14. — The District Haynes Corporation. The automobile industry is adand school superintendents in retreated and action toward new made their new salesroom at 1022 It is already on a sound basis. Do-by Dr. P. P. Claxton, United States thought and action toward new made their new salesroom at 1022 habits of thrift and investment is Connecticut avenue northwest one evidenced in the announcement of of the most attrative and beautiful

years, has been completely renovated and newly decorated. Within twelve hours after announcement by President H. S. Fire- floor level, extending across practically the whole front, provide am-ple space for a full-length display stone of a new allotment of employes' stock, subscription records howed that every employe had bepassersby with the full effect of the ome a stockholder, each subscriber taking at least two shares, while mounted to about 50 per cent. Over 10,000 Employes.

This places the Firestone Company in a most distinctive position among industrial concerns employ-ing more than 10,000 people, as it is more than 10,000 people, as it is only organization of its rank furniture of mahogany form a pleashaving every man and roman on its payroll a shareholder flower boxes and fernery complete

It brings the total number of display of lustrous cars. Exquisite-hares subscribed for by employes by designed wall brackets and powshares subscribed for by employes close to 45.000. So quick was the response to the

of the company are expected to con-sider allotting an additional amount of shares for purchase by employes. In offering the stock to workers in the Firestone factories, Mr. Firestone wrote to each employe:

Creates Habit of Saving. "For most of us it is not easy to acquire the habit of saving. We need a special inducement and this common stock plan is an opportunity not only to create the habit or naving, but to become a stockholder

n the company. In commenting upon the reception given the company's offer by the employes, Mr. Pirestone said:
"Aside from the great personal gratification in the matter, there is. this recent experience of our company. A year ago advice about thrift and savings was lost in the whisl of prosperity that carried ex-travagance and waste everywhere.

No Substitute for Work.

"It took the experience of the ast eight or ten months to teach us that there is no short cut to permanent prosperity—that there is no substitute for work and thrift in the attainment of happiness and prosperity. How well that lesson has been learned is proved by the eception which our stock offer re-Two of the outstanding feature

of the Firestone plan have been to furnish employes with a 6 per cent savings account and at the same time give them the advantage of haring in the prosperity and profits of the company through divi-dends and the increase in the mar-ket value of their stock holdings. The company has made two pre vious offers of stock to employes with special payment plans at a price below the market value.

Dirt Causes Squeakng Brakes. Chronic squeaking in the braking

system is generally due to dirt that has been imbedded in the lining and is pressed against the drum when the brakes are operated. Usually this dirt may be washed out with kerosene but if it is so firmly in-trenched that it refuses to come out with this treatment a little resin mixed with castor oil and at trouble.

You have been accus

o being overcharged—for \$5 I will thoroughly lubricate your car, tighten bolts and fenders and line up front wheels. Can you beat it?

Give Me a Trial. Storage Space Available GARAGE

Rear 2112 14th Street N. W. Phone North 2812

SHOWS BIG GAINS Head of Big Motor Co. Reviews Conditions in 169 Cities.

AUTO INDUSTRY.

"The automobile business a true parometer of the nation's business will make gains during the next yond realisation of the most fertile

magination." That's the picture Frank B Ansted, president of the United States Automotive Corporation, the chief subsidiary of which is the Lexington Motor Company, draws of the indus-try as a result of a two months' in-tensive touring and business investigation trip on the West and Northwest Coast.

Sees Business Rebuilding.

Sees Business Rebuilding.

Mr. Ansted visited 169 towns and cities from Portland and Seattle to old Mexico. He personally worked with scores of distributors and dealers. He conferred with eighty-nine bankers. He discussed conditions with hundreds of farmers and other workers. He addressed twenty-six commercial organizations and talked business conditions with innumerable individuals. And his conclusions, to use his own words, are these:

"Business is rebuilding through legitimate and sane channels. We

are recovering under a sound monetary system and although the process must, of necessity, be slow, it is making progress along safe, substantial lines.

"It will not be a return to normal, but the building of a new normalcy. Thrift, work, patience and study will be the essentials for success in the new business era. Waste will be eliminated in so far as possible.

Expert Trade Grows.

Export Trade Grows.

The District Haynes Corporation. mestic sales are improving. export trade in American-made ma-chines is growing rapidly. committee. Essays must

Large plate-glass windows on the "The readjustment now is coming prizes, and are announcing the continuum sound business methods test to their pupils. Commissioner without the enormous waste of Claxton will name the national

ther cream conditions everywhere in the world offices and the export trade of the United \$4.000, as the award for the best States last year exceeded that of the year before by many millions. ing contrast, and tastily arranged

Will Exceed Thm of 1920. "In January of this year, the export business of the United States close to 45.000.

So quick was the response to the stock ownership privilege and so large the subscriptions that officials of the company are expected to consider a great may company and distinguished a great may company and distinguished a great may company and great may be a ments on the appearance of our lions of dollars past the \$8,000,000, salesroom," said Mr. Lininger, general manager of the District Haynes
Corporation, "and already feel re-

"One of the greatest drawbacks our foreign trade dvelopment." Mr. Ansted said, "is due to the fact that the average American business man does not know the first principles of exporting." at the Tir National, Brussels, to the fronting American business, Mr. Anmen and women executed there during the German occupation.

Highway Building Requires Aid of BACK ON ITS FEET. 10,000 Engineers

Approximately \$2,000000 is available every working day during the present year for expenditure upon highways of the United States according to a statement yesterday by Prof. C. J. Tilden, director of the highway and highway transport education committee.

The actual sum available from State and county bond issues and Federal aid for the year is \$600,-000,000, a sum 50 per cent greater than the total cost of the Panama Canal, according to figures obtained from the bureau of public roads.

This point was made by Prof. Tilden in stressing the need for more courses in highway construc-tion and economics in colleges and universities. To spend this amount wisely, he said, would require the services of more than 10,000 trained highway engineers. At this time, universities are graduating only about 1,000 civil engineers annually,

"Business is rebuilding through director of the committee. legitimate and sane channels. We are recovering under a sound mone-paign is being undertaken by the

veyed to pupils by their teach The Commissioner of Education, who is the Firestone Tire and Rubber Company today that every one of its several thousand employes had be
or time most attrative and vesseling and vesseling through on Automobile Row. The building, which has been identified as an automobile salesroom for a number of tomobile salesroom for a number of tomobile salesroom for a number of country recovered from serious when the contest closes. Only purely recovered from serious rolls of high school grade are eligible Essays must business stagnation and depression, it was by insade methods—bank-to compete. Virtually all State surpreptcy courts, receiverships, and similar methods.

long, unbroken sweep of Haynes other days. The readjustment is lines. The beauty of the display is greatly increased by the use of foot and top lights that throw the car with those of other business defined by the use of the display is and top lights that throw the car with those of other business defined by the showroom is the state of the state of the showroom is the state of the showroom The interior of the showroom is made bright and cheery through the use of walls tinted a rich buff to the belt line, with lighter cream conditions everywhere in the world. Mr. Ansted holds an extremely Firestone, Akron. Ohio, to offer a essay written on this subject.

> Franklin 7877 ROYAL GARAGE

1815-1817 L Street N.W. FIREPROOF STEAM HEATED

STORAGE SERVICE By Day, Week or Month

Be Prepared for Winter

Repairs

Accessories

Chalmers Upkeep is Very Much Less

The Chalmers is a good motor car investment because its repair and replacement charges are very much less.

It remains out of the repair shop for long periods and yields consistent, re-liable, economical transportation.

Truly Fine Motor

Much of this is due to the fine motor performance. The fuel mixture—not the air alone—is pre-heated by the

This means better acceleration, amoother operation, and more power from less gasoline. Combustion is more lete. Cylinders are not likely to

be scored, or bearings burned out, be-cause of dilution of the oil in the crank-Whole Car In Keeping

with the motor. Chalmers engin designed a chassis worthy of the wonderful engine.

The whole Chalmers car is in keeping

And the car is comfortable and beautiful, as well as fine mechanically. Chalmers owners know these things and

talk about them. We will be glad to demonstrate the escellence of the Chalmers to those who are seeking the most for their money-

first-cost and after-cost-in-a motor-cas

H. B. LEARY, Jr. 1321-23 14th St.

Telephone Main 4105 CHALMERS